| Ref<br># | Hits   | Search Query  | DBs   | Default<br>Operator | Plurals | Time Stamp       |
|----------|--------|---|---|---------------------|---------|------------------|
| L1       | 11403  | ((determin\$5 or detect\$5 or<br>measur\$5 or calculat\$5 or locat\$5<br>or identif\$6 or track\$5) near7 (fault<br>or break\$5 or discontinu\$5 or<br>\$2plice or kink)) with (network or<br>(communication near2 system) or<br>fiber) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2005/08/08 07:45 |
| L2       | 213416 | coupler or wdm or (wavelength near2 multiplex\$5)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2005/08/08 07:45 |
| L3       | 3428   | time near2 domain near2 reflect\$7  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2005/08/08 07:45 |
| L4       | 91505  | (first and second) near3 channel\$2   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR .                | ON      | 2005/08/08 07:45 |
| L5       | 2804   | length with ((first and second) near2 channel)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON .    | 2005/08/08 07:45 |
| L6       | 1      | L1 and L2 and L3 and L4 and L5  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2005/08/08 07:45 |
| L7       | 130896 | (determin\$5 or detect\$5 or<br>measur\$5 or calculat\$5 or<br>monitor\$5 or inspect\$5) near7<br>((backscatter\$5 or (back adj1<br>scatter\$5) or reflect\$5 or return\$5)<br>near3 (light or beam))                                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2005/08/08 07:47 |
| L8       | 1      | L7 and L5 and L3  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR .                | ON      | 2005/08/08 07:47 |
| L10      | 29     | L7 and L5   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2005/08/08 07:48 |

|     |        |  |   | ,    |     |                  |
|-----|--------|--|---|------|-----|------------------|
| L11 | 2      | L2 and L3 and L4 and L5  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR . | ON  | 2005/08/08 07:48 |
| L12 | 135038 | (predetermin\$5 or threshold or precalculat\$5) near4 length                               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR   | ON  | 2005/08/08 07:48 |
| L13 | 59     | L1 and L2 and L12  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR   | ON  | 2005/08/08 07:48 |
| L14 | 38     | ((impulse or pulse) and ((first and second) near3 channel) and (length with channel)).clm. | US-PGPUB  | OR   | ON  | 2005/08/08 07:51 |
| L15 | 2004   | (356/73.1).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2005/08/08 07:52 |
| L16 | 7722   | 385/24.ccls. or 385/28.ccls. or 385/37.ccls. or 385/11.ccls.                               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON  | 2005/08/08 07:53 |
| L17 | 1248   | 398/9.ccls. 398/34.ccls. or 398/173. ccls. or 398/177.ccls.                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON  | 2005/08/08 07:53 |
| L18 | 10750  | 15 or 16 or 17   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON  | 2005/08/08 07:53 |